**Algebra 1A SYLLABUS**   
Fall 2009



[www.clackamasmiddlecollege.org](http://www.clackamasmiddlecollege.org)

**Instructor Information**

**Instructors**: Ameena Amdahl-Mason

**Telephone**: 503-518-5925 x16

**Email**: [amdahl-masona@nclack.k12.or.us](mailto:amdahl-masona@nclack.k12.or.us) or [ameena80@gmail.com](mailto:ameena80@gmail.com) (forwards to the North Clackamas address)

**Office Hours**: 7:45-9:15am/2:45-3:45pm or by arrangement

**CLASS Information:**

**Course Description**:

### Credits: 0.5 Credits per term

**Class Schedule:**Monday-Friday

**Location**: CMC main campus

**Pre-requisites:** Algebra 1A or one semester of Algebra 1 or Algebra Extended

**Textbook**: *Elementary and Intermediate Algebra* (3rd ed.) by Baratto and Bergman

**Resources**:

Students have access to resources posted on the CMC website under the instructor’s page (<http://www.clackamasmiddlecollege.org/Teachers/AmeenaAmdahlMason/>) as well as on her wikispace (http://ameena.wikispaces.com). Included with the resources, students will also find:

* Current weekly grades posted
* Current assignments posted
* Other materials to be included as the course progresses

**Supplies**: Students are to bring a writing utensil every day along with a binder, notebook paper, and completed work from the previous day, handouts given out in class, and a calculator.

**TOPICS and STANDARDS:**

**Systems of Equations and Inequalities**

* H.2A.8 Solve systems of two linear equations graphically and algebraically, and solve systems of two linear inequalities graphically.

**Exponential Properties and Functions**

* H.3A.1 Given an exponential function, identify or determine a corresponding table or graph.
* H.3A.2 Given a table or graph that represents an exponential function, extend the pattern to make predictions.
* H.3A.4 Given an exponential function, interpret and analyze the relationship between the independent and dependent variables, and evaluate the function for specific values of the domain.

**Polynomials, Factoring, and Quadratics**

* H.1A.5 Factor quadratic expressions limited to factoring common monomial terms, perfect-square trinomials, differences of squares, and quadratics of the form x2 + bx + c that factor over the integers.
* H.3A.1 Given a quadratic function, identify or determine a corresponding table or graph.
* H.3A.2 Given a table or graph that represents a quadratic function, extend the pattern to make predictions.
* H.3A.4 Given a quadratic function, interpret and analyze the relationship between the independent and dependent variables, and evaluate the function for specific values of the domain.
* H.3A.5 Given a quadratic function of the form f (x) = x2 + bx + c (or equation of the form
* y = x2 + bx + c) with integer roots, determine and interpret the roots, the vertex of the parabola, and the equation for the axis of symmetry of the parabola graphically and algebraically.

**Comparison of Linear, Quadratic, and Exponential Function**

* H.3A.3 Compare the characteristics of and distinguish among linear, quadratic, and exponential functions that are expressed in a table of values, a sequence, a context, algebraically, and/or graphically, and interpret the domain and range of each as it applies to a given context.

**RESPONSIBILITIES and POLICIES:**

**Student Responsibilities:** As a student of CMC, I expect you to adhere to the policies of the school, as outlined by the Student Handbook (located on the website). You are responsible for the assignments in this class and to communicate any questions, comments or concerns you have to me. Acceptable means of communication include an appointment, e-mail, voicemail or through online discussion forums/blogs. Use of correct grammar and punctuation is required in all written communications.

Plagiarism, cheating, and collusion are prohibited at CMC. Students who fail to observe these standards are subject to disciplinary action. Please refer to the CMC Student Handbook for further definitions and consequences of these behaviors, available at: [www.clackamasmiddlecollege.org](http://www.clackamasmiddlecollege.org)

**Attendance:** Attending class daily will affect a student’s opportunity to learn in a positive manner and should result in mastery of skills, benchmarks, and standards mentioned above.

**Class participation:** Class participation will result in a greater understanding of the subject matter and will help in skill development. This includes classroom or online discussions, group work, project or other participation requirements that influence student’s opportunity to learn.

**Use of Electronic Devices:** Cell phones, iPods, and other relevant or irrelevant electronic devices are not to interfere with the learning environment unless these electronic devices are being used for a class assignment. The instructor reserves the right to take any devices that pose a problem. If a device is taken, then it will be returned in a timely fashion with a discussion about classroom expectations. If problem persists then disciplinary action may be taken.

**Other Policies:** Refer to the CMC Student Handbook

**Instructor Responsibilities:** As your instructor, I commit to communicating openly and frequently with you about this class. I will maintain a professional, safe learning environment adhering to the policies of CMC. You can expect a reply to communication, be it via e-mail, voicemail or in person, within 24-48 business hours.

**Syllabus Changes:** As your instructor, I retain the right to make changes based on the timeline of the class, feedback from learners and/or logistical issues and will inform you as soon as a change is made.

**Grading rubric:** For each unit, the mastery of standards noted above will be the basis for grading. Opportunities to master these standards will be in the form of daily work (individually or in groups), concept checks (quizzes), and unit tests and projects. The percentages for each will be:

Tests and Projects: 50%

Daily Work: 40%

Concept Checks: 10%

**Grading Scale:**

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| --- | --- |
| **Percentage** | **Grade** |
| 90-100 | A |
| 80-89 | B |
| 70-79 | C |
| 60-69 | D |
| 0-59 | F |